

ILLINOIS WEATHER & CROPS



ILLINOIS
AGRICULTURAL
STATISTICS SERVICE

Box 19283, Springfield, IL 62794-9283

Phone: (217) 492-4295

U. S. DEPARTMENT OF AGRICULTURE
ILLINOIS DEPARTMENT OF AGRICULTURE



NATIONAL OCEANIC AND
ATMOSPHERIC ADMINISTRATION

Midwest Agricultural
Weather Service Center
Purdue University
West Lafayette, Indiana 47907
Phone: (317) 743-2272



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CROPS

WINTER WHEAT condition on November 18 was reported as 14% excellent, 68% good, and 18% fair. Wheat conditions are mostly good in all areas of the State, aided by recent rainfall and mild temperatures. A few reports of herbicide damage were received from the Northwest, Central, East, West-Southwest, and East-Southeast Districts, and winter wheat fields in small parts of the Southwest and Southeast Districts are suffering from surplus moisture. Also, some reports were received of erratic wheat emergence due to lack of moisture at seeding time, and plants are smaller than usual in many areas because of the soil moisture shortage.

SOIL MOISTURE on November 18 was reported as 58% short, 37% adequate, and 5% surplus. Topsoil moisture is improving with recent rain showers, but subsoil is still very short. Numerous reports of wells drying out were received from the northern two thirds of the State.

LIVESTOCK condition across the State is mostly good to excellent. The mild weather conditions have been favorable for livestock gains, easier feedlot management and disease control. Some reports of muddy lots in the Southwest and Southeast Districts were reported as affecting livestock management. Hay supplies are adequate to short across the State, and significant shortages of good quality hay may be seen later because the poor pasture conditions this summer and their slow recovery required earlier than normal supplemental feeding of hay. Many farmers have been hauling water to their livestock because many wells have dried out due to deficient subsoil moisture supplies.

ILLINOIS DISTRICT SUMMARY

District	Winter wheat condition			Soil moisture percent		
	Excellent	Good	Fair	Short	Adequate	Surplus
Week ending November 18						
Northwest	15	75	10	85	15	0
Northeast	15	85	0	65	35	0
West	0	85	15	75	25	0
Central	0	55	45	90	10	0
East	20	55	25	60	35	5
W Southwest	10	80	10	75	25	0
E Southeast	15	70	15	60	40	0
Southwest	25	60	15	10	65	25
Southeast	15	55	30	0	85	15
State	14	68	18	58	37	5

PRELIMINARY DISTRICT PRECIPITATION AVGS. AND DEPARTURES FROM NORMAL IN INCHES

	NW	NE	W	C	E	WSW	ESE	SW	SE	STATE
October	2.66	2.84	1.19	1.61	3.18	2.39	2.93	3.28	3.07	2.57
Departure	0.07	0.32	-1.66	-1.07	0.50	-0.45	0.18	0.48	0.34	-0.14

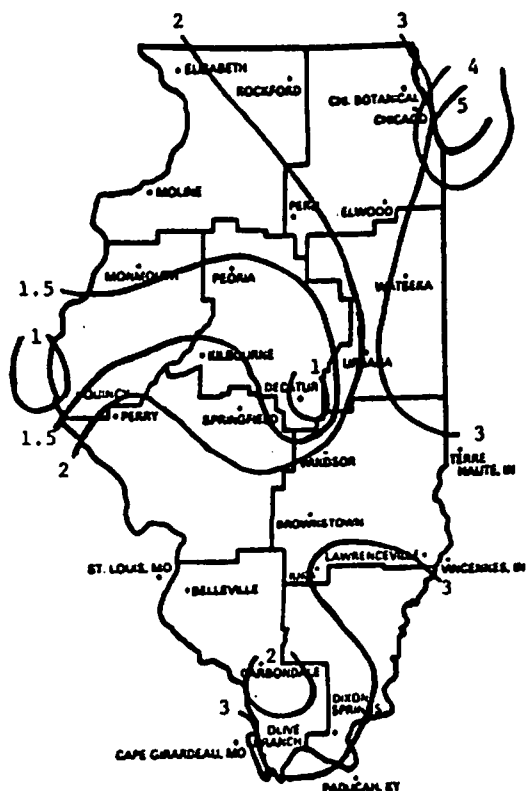
OCTOBER WEATHER SUMMARY

Illinois recorded a cold month with slightly below normal rainfall. Illinois average monthly **TEMPERATURE** was -6.1 degrees above normal as temperatures ranged from -5 to -7 degrees below normal. This month had the largest below normal average in more than a year. The coolest portion of the State was in the northeast section. The month started with near normal temperatures, but a cool period developed at the end of the first week. Minimum readings in the South fell into the upper 20's by midmonth. Several new low temperature records were set. A short-lived warm period then developed, as maximum readings rose into the 70's and 80's. By the end of the month, cool air returned and brought minimum readings into the teens (in the North).

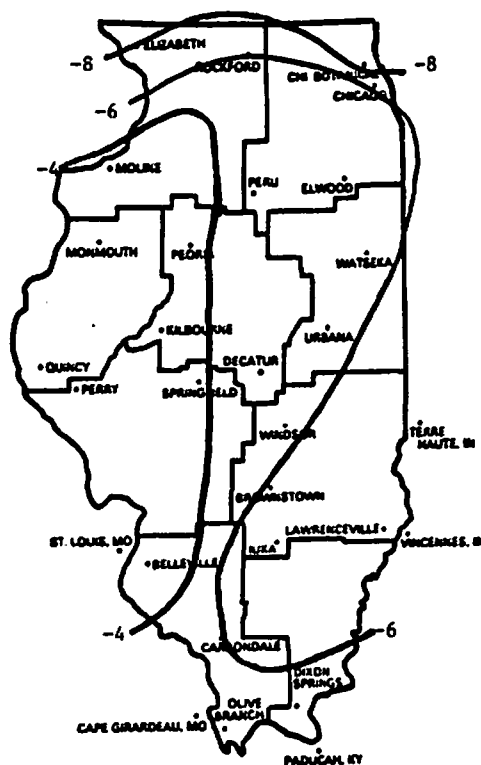
PRECIPITATION averaged slightly below normal in the State (-0.14 of an inch below normal). Most of the State recorded slightly above normal rainfall. However, the West, Central, and West-Southwest Districts recorded below normal rain. The largest below normal variation was in the West District (-1.66 inches below normal). The largest above normal variation was in the Eastern District (0.50 of an inch above normal). Scattered shower and thunderstorms during the month gave some areas above normal rainfall amounts. Chicago, in the Northeast District, recorded the greatest rainfall amount (5.05 inches). A thunderstorm gave Chicago 3.61 inches of rain on the 18th. Local flooding occurred. Some areas, mainly in the Central District, recorded less than one inch of rain during the month.

The **OUTLOOK** for the remainder of November is for temperatures and precipitation to be below normal.

The **90-DAY OUTLOOK** from November to January is for temperatures and precipitation to be near normal.



OCTOBER 1988
PRECIPITATION



OCTOBER 1988 TEMPERATURE
DEVIATIONS FROM AVERAGE

WEATHER

THE WEEK ENDING NOVEMBER 21 BROUGHT SUBSTANTIAL RAINFALL TO ILLINOIS TOPPED OFF BY A LITTLE SNOW IN CENTRAL SECTIONS WHEN COLDER AIR ARRIVED LATE IN THE WEEKEND. PRECIPITATION TOTALS WERE SIMPLY CLOSE TO NORMAL IN THE NORTHWEST WHERE A HALF TO THREE QUARTERS OF AN INCH WAS TYPICAL. HOWEVER, ELSEWHERE TOTALS RANGED BETWEEN ONE AND THREE INCHES. AT THE WETTEST LOCATIONS IN THE EXTREME SOUTH THOSE TOTALS REPRESENTED MORE THAN THREE TIMES THE NORMAL ACCUMULATION.

THE WEATHER SYSTEMS THAT BROUGHT THE WELCOME TRANSFUSION TO ILLINOIS SOILS ALSO KEPT AVERAGE TEMPERATURES ELEVATED. ALTHOUGH COLD AIR IMMEDIATELY IN THE WAKE OF EACH MAJOR STORM SYSTEM BROUGHT MINIMUM TEMPERATURES AS LOW AS THE 20'S IN ALL AREAS AND TO THE TEENS IN THE NORTHWEST, THE AVERAGE TEMPERATURES FOR THE WEEK RANGED FROM NEAR NORMAL IN THE SOUTH TO AS MUCH AS SEVEN DEGREES ABOVE NORMAL IN THE NORTH. ABSOLUTE MAXIMUMS FOR THE WEEK REACHED THE 60'S.

THE WEEK AHEAD PROMISE DRIER BUT COOLER WEATHER. LOWS WILL GRADUALLY MODERATE FROM THE 20'S TO THE 30'S BY THE END OF THE WEEK. HIGHS RESTRICTED TO THE 40'S EARLY THIS WEEK WILL RISE ONLY AS HIGH AS THE 50'S WITH A BRIEF WARMING CYCLE LATE IN THE WEEK. NO PRECIPITATION IS FORECAST THROUGH FRIDAY.

Week ending 8 A.M. Monday, November 21, 1988

Location	Temperatures			Precipitation			Growing Degree Days (50F)		
	Maxi-mum	Mini-mum	Departure	Curr. week	Since May 1	Departure since May 1	Curr. week	Since May 1	Departure since May 1
ELIZABETH	47	29	2	0.59	13.43	-10.23	11	3092	265
ROCKFORD	51	34	6	1.21	13.31	-11.56	16	3343	495
CHICAGO	53	38	7	1.20	21.81	0.30	20	3366	458
CHI BOTANICAL	48	35	2	1.25	20.12	-2.29	12	3096	-59
ELWOOD	49	35	4	1.10	13.50	-9.45	12	3281	324
WATSEKA	51	35	4	2.41	16.58	-7.76	17	3377	250
PERU	49	34	3	0.98	13.83	-8.67	15	3437	219
MOLINE	52	36	6	0.52	17.30	-7.71	20	3576	440
PEORIA	53	36	6	1.35	11.79	-10.84	22	3629	444
KILBOURNE	53	35	4	1.10	13.82	-10.80	20	3606	175
MONMOUTH	49	32	1	0.74	13.87	-9.68	15	3404	170
QUINCY	55	34	4	0.60	11.54	-14.00	31	3749	332
PERRY	51	32	0	1.34	19.21	-4.53	21	3547	27
SPRINGFIELD	54	37	5	1.87	14.15	-6.62	25	3800	315
URBANA	51	35	3	2.90	17.70	-5.11	16	3629	322
WINDSOR	57	35	4	2.30	17.86	-5.37	31	3787	269
TERRE HAUTE	57	35	5	2.74	21.36	-1.67	29	3524	129
ST LOUIS	57	38	NA	3.34	19.62	NA	34	4282	NA
BELLEVILLE	57	36	2	2.41	15.42	-6.53	30	3837	142
BROWNSTOWN	51	35	0	2.18	16.25	-7.59	20	3687	114
IUKA	52	33	0	2.39	26.56	4.76	19	3575	-128
LAWRENCEVILLE	56	31	NA	1.68	15.08	NA	26	3647	NA
VINCENNES	56	40	6	2.10	18.79	-5.55	34	3726	126
DIXON SPRINGS	54	38	0	3.20	20.38	-3.04	22	3892	-50
PADUCAH	59	41	3	5.73	22.21	-2.43	44	4078	80
OLIVE BRANCH	54	37	0	3.32	23.40	-1.26	19	3805	-44
CARBONDALE	54	33	0	2.11	22.68	-1.24	23	3764	-24
C GIRARDEAU	58	40	NA	3.10	24.69	NA	36	4114	NA

ILLINOIS DEPARTMENT OF AGRICULTURE
P.O. BOX 19283
SPRINGFIELD, IL 62794-9283

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CROP INFORMATION in this report is provided voluntarily by county officials of Extension Service and SCS, and agribusiness managers. Additional WEATHER INFORMATION is provided by the Illinois State Water Survey, IDE&NR, Champaign, Ill.; and National Weather Service Cooperative Observers, NOAA, Rosemont, Ill.